

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Atty's Docket No. 101216-19

APPLICANT : Bettina Fath et al.  
FILED : Concurrently Herewith  
FOR : Composition for the Treatment of Human Hair

PRELIMINARY AMENDMENT

Hon. Assistant Commissioner of Patents  
Washington, D.C. 20231

Sir:

Prior to examination, please amend the application as follows:

**IN THE SPECIFICATION**

Page 1, after line 1, please insert --Background of the  
Invention--;

Page 1, after line 21, please insert --Summary of the  
Invention--;

Page 2, after line 3, please insert --Detailed Description  
of the Preferred Embodiments--.

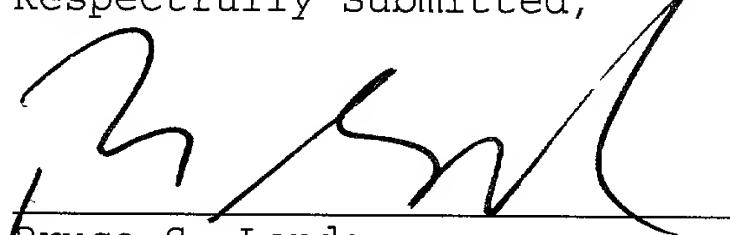
## IN THE CLAIMS

Please amend the claims in accordance with the attached marked-up pages. A clean copy of the amended claims is also enclosed.

## REMARKS

The above amendments were made to place the application into proper United States Patent Format.

Respectfully Submitted,



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## Amended Claims - Marked-up Version

1. Hair care composition on aqueous basis, comprising

- a) at least one UV-absorbing substance, and
- b) at least one mica /titanium dioxide pigment, whereby at least 90% by weight thereof have a particle size between about 10 and 250 microns.

2. Hair care composition according to claim 1, wherein 80% to 90% by weight of the pigment consist of mica, and 10% to 20% by weight thereof consist of titan dioxide.

3. (amended) Hair care composition according to claim 1 ~~or~~ 2, containing the mica/titanium dioxide pigment in an amount between about 0.05% to about 5% by weight, calculated to the total composition.

4. (amended) Hair care composition according to ~~one or more of claims 1 to 3~~ claim 1, wherein the UV-absorber is selected from at least one of the compounds 4-aminobenzoic acid and the esters and salts thereof, 2-phenyl benzimidazole-5-sulfonic acid and the alkali and amine salts thereof, 4-demethyl aminobenzoic acid and the esters and salts thereof, cinnamic acid and the esters and salts thereof, 4-methoxy cinnamic acid and the esters and salts thereof, salicylic acid and the esters and salts

## Amended Claim - Marked-up Version

thereof, 2,4-dihydroxybenzophenone, 2,2',4,4'-tetrahydroxybenzophenone, 2-hydroxy-4-methoxybenzophenone and its 5-sulfonic acid or the sodium salt thereof, 2,2'-dihydroxy-4,4'-dimethoxybenzophenone, 2-hydroxy-5-chlorobenzophenone, 2,2'-dihydroxy-4-methoxybenzophenone, 2,2'-dihydroxy-4,4'-dimethoxy-5,5'-disulfobenzophenone or the sodium salt thereof, 2-hydroxy-4-octyloxybenzophenone, 2-hydroxy-4-methoxy-4'-methylbenzophenone, 3-benzylidene campher, 3-(4'-sulfo)-benzylidene bornane-2-one and the salts thereof and/or 3-(4'-methylbenzylidene)-DL-campher.

5. (amended) Hair care composition according to ~~one or more of claims 1 to 4~~ claim 1, wherein the proportion of the UV-absorber is from about 0.05% to 2.5% by weight, calculated to the total composition.

6. (amended) Hair care composition according to ~~one or more of claims 1 to 5, characterized by~~ claim 1, wherein the composition additionally containing contains green tea extract.

7. (amended) Hair care composition according to ~~one or more of claims 1 to 6, characterized by containing~~ claim 1, wherein the composition contains about 0.1% to 5% by weight of at least

## Amended Claim - Marked-up Version

one amphoteric or zwitterionic surfactant, calculated to the total composition.

8. (amended) Hair care composition according to claim 7, ~~characterized by containing~~ wherein the composition contains about 0.25% to 2.5% by weight, calculated to the total composition, of at least one betaine.

9. (amende) Hair care composition according to ~~one or more~~ of ~~claims 1 to 8, characterized by containing~~ claim 1, wherein the composition contains about 0.1% to 10% by weight of at least one C<sub>12</sub>-C<sub>18</sub>-alkyl amidoprophyl dimethyl or diethyl amine.

TOP SECRET

## Amended Claims - Clean Copy

1. Hair care composition on aqueous basis, comprising

- a) at least one UV-absorbing substance, and
- b) at least one mica /titanium dioxide pigment, whereby at least 90% by weight thereof have a particle size between about 10 and 250 microns.

2. Hair care composition according to claim 1, wherein 80% to 90% by weight of the pigment consist of mica, and 10% to 20% by weight thereof consist of titan dioxide.

3. (amended) Hair care composition according to claim 1, containing the mica/titanium dioxide pigment in an amount between about 0.05% to about 5% by weight, calculated to the total composition.

4. (amended) Hair care composition according to claim 1, wherein the UV-absorber is selected from at least one of the compounds 4-aminobenzoic acid and the esters and salts thereof, 2-phenyl benzimidazole-5-sulfonic acid and the alkali and amine salts thereof, 4-dimethyl aminobenzoic acid and the esters and salts thereof, cinnamic acid and the esters and salts thereof, 4-methoxy cinnamic acid and the esters and salts thereof, salicylic acid and the esters and salts thereof, 2.4-

## Amended Claim - Clean Copy

dihydroxybenzophenone, 2.2'.4.4'-tetrahydroxybenzophenone, 2-hydroxy-4-methoxybenzophenone and its 5-sulfonic acid or the sodium salt thereof, 2.2'-dihydroxy-4.4'-dimethoxybenzophenone, 2-hydroxy-5-chlorobenzophenone, 2.2'-dihydroxy-4-methoxybenzophenone, 2.2'-dihydroxy-4.4'-dimethoxy-5.5'-disulfobenzophenone or the sodium salt thereof, 2-hydroxy-4-octyloxybenzophenone, 2-hydroxy-4-methoxy-4'-methyl benzphenone, 3-benzylidene campher, 3-(4'-sulfo)-benzylidene bornane-2-one and the salts thereof and/or 3-(4'-methyl benzylidene)-DL-campher.

5. (amended) Hair care composition according to claim 1, wherein the proportion of the UV-absorber is from about 0.05% to 2.5% by weight, calculated to the total composition.

6. (amended) Hair care composition according to claim 1,  
wherein the composition additionally contains green tea  
extract.

7. (amended) Hair care composition according to claim 1, wherein the composition contains about 0.1% to 5% by weight of at least one amphoteric or zwitterionic surfactant, calculated to the total composition.

## Amended Claim - Clean Copy

8. (amended) Hair care composition according to claim 7, wherein the composition contains about 0.25% to 2.5% by weight, calculated to the total composition, of at least one betaine.

9. (amended) Hair care composition according to claim 1, wherein the composition contains about 0.1% to 10% by weight of at least one C<sub>12</sub>-C<sub>18</sub>-alkyl amidoprophyl dimethyl or diethyl amine.

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